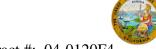
#### DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES Office of Structural Materials Quality Assurance and Source Inspection

Bay Area Branch 690 Walnut Ave.St. 150 Vallejo, CA 94592-1133 (707) 649-5453 (707) 649-5493



Contract #: 04-0120F4

Cty: SF/ALA Rte: 80 PM: 13.2/13.9

File #: 69.28

## WELDING INSPECTION REPORT

Resident Engineer: Pursell, Gary **Report No:** WIR-004919 Address: 333 Burma Road **Date Inspected:** 09-Dec-2008

City: Oakland, CA 94607

OSM Arrival Time: 600 **Project Name:** SAS Superstructure **OSM Departure Time:** 1430 **Prime Contractor:** American Bridge/Fluor Enterprises, a JV

Contractor: Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China

**CWI Name: CWI Present:** Yes NA No **Inspected CWI report:** Yes N/A **Rod Oven in Use:** Yes No No N/A Yes N/A N/A **Electrode to specification:** No Weld Procedures Followed: Yes No N/A N/A **Qualified Welders:** Yes No **Verified Joint Fit-up:** Yes No N/A Yes No N/A **Approved Drawings:** Yes No **Approved WPS:** Yes No N/A **Delayed / Cancelled:** 

34-0006 **Bridge No: Component:** OBG

### **Summary of Items Observed:**

Caltrans Quality Assurance inspector, Alan Lowe, was present to perform Ultrasonic Testing, (UT), of Orthotropic Box Girders, (OGB), for the San Francisco Oakland Bay Self Anchored Suspension (SAS) Bridge, At Zhenhua Port Machinery Company (ZPMC) facility on Changxing Island.

QA inspector arrived at ZPMC in Shanghai, China for observation of OBG and SAS Bridge. QA inspector received notification from dayshift task leader to perform conventional UT (A-Scan) inspection for tack welds on deck panels. The inspection is preliminary prior to using the phased array system to verify indications found with conventional UT. QA inspector performed UT on Deck Panels 587-001 and 588-001 and submitted report dated December 9, 2008. Deck panel 587-001 had 8 ribs with 72 tack welds examined. A total of 6 tack welds showed ultrasonic indications which will require further analysis by phased array ultrasonic examination. Deck panal 588-001 had 8 ribs with 160 tack welds examined. A total of 5 tack welds showed ultrasonic indications which will require further analysis by phased array examination. All indications are marked on top of U-Ribs.

No other activities observed.

#### **Summary of Conversations:**

No significant conversations this day.

#### **Comments**

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Peter Dauterman 1500219-9593, who represents the Office of Structural Materials for your project.

# WELDING INSPECTION REPORT

(Continued Page 2 of 2)

**Inspected By:** Lowe, Alan Quality Assurance Inspector **Reviewed By:** Wright, Mark QA Reviewer